

PTO/SB/08A(08-03)

Substitute for form 1448/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/817,355		
		Filing Date	April 1, 2004		
		First Named Inventor	WOODS et al.		
		Art Unit	1765		
		Examiner Name	Unassigned		
Sheet	1	of	1	Attorney Docket Number	LAM2P472

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U.S. Patent Documents

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		Number-Kind Code ² (if known)			
JLP/	A	6,446,358	09/10/02	Mitsumori et al.	
JLP/	B	6,629,540	10/07/03	Mitsumori et al.	
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	D				
	E				
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Foreign Patent Documents

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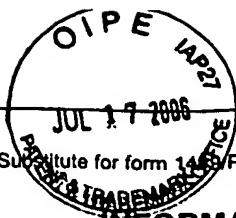
Non Patent Literature Documents

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Examiner Signature	/Joseph L. Perrin/	Date Considered	03/28/2007
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/JLP/	A	2003/0091754 A1	05/15/03	Chihani et al.	
	B	2003/0092264 A1	05/15/03	Shinji et al.	
	C	2004/0060573 A1	04/01/04	Woods	
	D	2004/0069319 A1	04/15/04	Boyd et al.	
	E	2004/0069329 A1	04/15/04	de Larios et al.	
	F	2004/0136494 A1	07/15/04	Lof et al.	
	G	2004/0178060 A1	09/16/04	Ravkin et al.	
	H	2004/0182422 A1	09/23/04	Boyd et al.	
	I	2005/0132515 A1	12/18/03	Boyd et al.	
	J	2005/0139318 A1	06/30/05	Woods et al.	
	K	2005/0145265 A1	07/07/05	Ravkin et al.	
	L	2005/0145267 A1	04/01/04	Korolik et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
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/JLP/	N	EP 0 905 747 A1	3/31/99	Interniversitair Micro-Elektronica Centrum VZW		<input type="checkbox"/>

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/JLP/	O	OWA et al. "Immersion lithography; its potential performance and issues", Proceedings of the SPIE, SPIE, Bellingham, VA, US, Vol. 5040, No. 1, February 28, 2003, pages 724-733, XP002294500
/JLP/	P	LIM et al., "Atomic Layer deposition of transition metals", Department of Chemistry and Chemical Biology, Harvard University, Nature Publishing Group, Volume 2, November 2003, Pages 749-754

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↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	A	2005/0145268 A1	04/01/04	Woods	
	B	2005/0217703 A1	10/06/05	O'Donnell	
	C	2006/0064895 A1	03/30/06	Garcia et al.	
	D	3,953,265	04/27/76	Hood	
	E	4,367,123	01/04/83	Beck	
	F	4,444,492	04/24/84	Lee	
	G	5,102,494	04/07/92	Harvey et al.	
	H	5,180,431	01/19/93	Sugimoto et al.	
	I	5,343,234	08/30/94	Kuehnle	
	J	5,361,449	11/08/94	Akimoto	
	K	5,472,502	12/05/95	Batchelder	
	L	5,558,111	09/24/96	Lofaro	

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/JLP/	M	JP11031672 (Patent Abstract in English provided)	02/02/99	Hitachi Ltd.		<input type="checkbox"/>
/JLP/	N	WO 03/014416 A2	02/20/03	Ebara Corporation		<input type="checkbox"/>

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/JLP/	O	ICKnowledge LLC, "Technology Backgrounder: Atomic Layer Deposition", ICKnowledge.com, 2004, Pages 1-7
/JLP/	P	"Chemical vapor deposition", Wikipedia, the free encyclopedia, http://en.wikipedia.org/wiki/Chemical_vapor_deposition , 2005, Page 1-2

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/JLP/	A	5,893,004	04/06/99	Yamamura	
	B	6,086,454	07/11/00	Watanabe et al.	
	C	6,092,937	07/25/00	Snodgrass et al.	
	D	6,103,636	08/15/00	Zahorik et al.	
	E	6,108,932	08/29/00	Chai	
	F	6,230,722	05/15/01	Mitsumori et al.	
	G	6,417,117	07/09/02	Davis	
	H	6,488,040	12/03/02	De Larios et al.	
	I	6,495,005	12/17/02	Colgan et al.	
	J	6,530,823	03/11/03	Goodarz et al.	
	K	6,550,988	04/22/03	Sugimoto et al.	
	L	6,555,017	04/29/03	Rushford et al.	

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/JLP/	M	WO 99/49504	9/30/99	Nippon Kogaku KK		<input type="checkbox"/>
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/JLP/	O	SIGMA-ALDRICH, "Atomic Layer Deposition (ALD)", http://www.sigmaaldrich.com/Area_of_Interest/Chemistry/Materials Science/Thin_Films , 2005, Pages 1-2
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/JLP/	A	6,616,772	09/09/03	De Larios et al.	
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/JLP/	C	6,988,326	01/24/06	O'Donnell et al	
/JLP/	D	6,988,327	01/24/06	Garcia et al.	
/JLP/	E	7,000,622	02/21/06	Woods et al.	
/JLP/	F	7,069,937	07/04/06	Garcia et al.	
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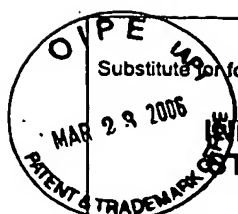
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/JLP/	A	2002/0007869 A1	01/24/02	Pui et al.	
/JLP/	B	2003/0138968 A1	07/24/03	Fisher et al.	
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/JLP/	A	4,086,870	05/02/78	Canavello et al.	
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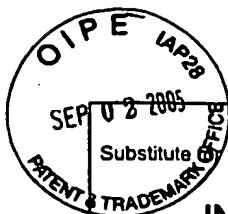
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				Attorney Docket Number	LAM2P472

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Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/JLP/	A	2004/0060581	04/01/04	Garcia et al.	
/JLP/	B	2002/0020622	02/21/02	Hanson et al.	
/JLP/	C	6,214,513	04/10/01	Cai et al.	
/JLP/	D	5,601,655	02/11/97	Bok et al.	
	E				
	F				

Foreign Patent Documents

Examiner Initial	Cite No. ¹	Foreign Patent Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number- ⁴ Kind Code ⁵ (if known)				
/JLP/	G	JP 2003-151948 (Patent Abstract in English provided)	05/23/03	Seiko Epson Corp.		<input type="checkbox"/>
	H					<input type="checkbox"/>
	I					<input type="checkbox"/>
	J					<input type="checkbox"/>

Non Patent Literature Documents

Examiner Initial	Cite No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	K	
	L	

Examiner Signature	/Joseph L. Perrin/	Date Considered	03/28/2007
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¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Substitute for form 1449/PTO		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete If Known	
				Application Number	10/817,355
		Filing Date	April 1, 2004		
		First Named Inventor	Carl WOODS et al.		
		Art Unit	1765		
		Examiner Name	Unassigned		
Sheet	1	of	3	Attorney Docket Number	LAM2P472

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		Number-Kind Code ² (if known)			
/JLP/	A	2002/0121290 A1	9/5/02	TANG et al.	
	B	2002/0125212 A1	9/12/02	MERTENS et al.	
	C	US 6,341,998 B1	1/29/02	ZHANG	
	D	US 6,391,166 B1	5/21/02	WANG	
	E	5,660,642	8/26/97	BRITTEN	
	F	5,807,522	9/15/98	BROWN et al.	

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Examiner Initial	Cite No. ¹	Foreign Patent Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number-Kind Code ⁴ (if known)				
/JLP/	G	EP 0 905 746 A1	3/31/99	Interniversitair Micro-Elektronica Centrum VZW		<input type="checkbox"/>
/JLP/	H	EP 0 905 747 A1	3/31/99	Interniversitair Micro-Elektronica Centrum VZW		<input type="checkbox"/>
/JLP/	I	WO 99/16109 A1	4/1/99	Interniversitair Micro-Elektronica Centrum VZW		<input type="checkbox"/>
/JLP/	J	WO 02/001613 A3	1/3/02	Applied Materials, Inc.		<input type="checkbox"/>

Non Patent Literature Documents

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/JLP/	K	J.A. BRITTEN, "A moving-zone Marangoni drying process for critical cleaning and wet processing," October, 1997, <i>Solid State Technology</i>
	L	

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		Filing Date		April 1, 2004	
		First Named Inventor		Carl WOODS et al.	
		First Unit		1765	
		Examiner Name		Unassigned	
		Attorney Docket Number		LAM2P472	
Sheet	2	of	3		

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		Number-Kind Code ² (if known)			
/JLP/	A	5,830,334	11/3/98	KOBAYASHI	
	B	5,882,433	3/16/99	UENO	
	C	5,975,098	11/2/99	YOSHITANI et al.	
	D	5,989,478	11/23/99	OUELLETTE et al.	
	E	6,132,586	10/17/00	ADAMS et al.	
	F	6,531,206	3/11/03	JOHNSTON et al.	

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Examiner Initial	Cite No. ¹	Foreign Patent Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number- ⁴ Kind Code ⁵ (if known)				
/JLP/	G	WO 02/32825 A1	4/25/02	The Regents of the University of California		<input type="checkbox"/>
/JLP/	H	WO 02/101795 A3	12/19/02	Verteq, Inc.		<input type="checkbox"/>
/JLP/	I	JP08277486 (Patent Abstract in English provided)	10/22/96	Dainippon Printing Co. Ltd.		<input type="checkbox"/>
/JLP/	J	JP05837190 (Patent Abstract in English provided)	03/04/83	Sonitsukusu: KK		<input type="checkbox"/>

Non Patent Literature Documents

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	L	

Examiner Signature	/Joseph L. Perrin/	Date Considered	03/28/2007
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		Application Number Filing Date First Named Inventor Art Unit Examiner Name Attorney Docket Number	10/817,355 April 1, 2004 Carl WOODS et al. 1765 Unassigned LAM2P472
Sheet	3	of	3

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	A				
	B				
	C				
	D				
	E				
	F				

Foreign Patent Documents

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		Country Code ³ -Number- ⁴ Kind Code ⁵ (if known)				
/JLP/	G	JP02280330 (Patent Abstract in English provided)	11/16/90	Mitsubishi Electric Corporation		<input type="checkbox"/>
/JLP/	H	JP02309638 (Patent Abstract in English provided)	12/25/90	Fujitsu Ltd.		<input type="checkbox"/>
/JLP/	I	JP11350169 (Patent Abstract in English provided)	12/21/99	Chemitoronics Co.		<input type="checkbox"/>
	J					<input type="checkbox"/>

Non Patent Literature Documents

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	L	

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Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Attorney Docket No:	U.S.
	LAM2P472	Not Assigned
	Applicant:	
	WOODS et al.	
	Filing Date:	Group:
	01 April 2004	Not Assigned

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Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class
/JLP/	A	US 6,398,975 B1	06/2002	Mertens et al.	216	92
↓	B	US 6,491,764	12/2002	Mertens et al.	134	36
↓	C	4,838,289	06/1989	Kottman et al.	134	153
↓	D	5,271,774	12/1993	Leenaars et al.	134	31
↓	E	5,705,223	01/1998	Bunkofske	427	240
↓	F	5,945,351	08/1999	Mathuni	438	706
↓	G	5,997,653	12/1999	Yamasaka	134	2
↓	H					

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	I	JP02280330	11/1990	JPO	H01L	21/304		
	J	JP02309638	12/1990	JPO	H01L	21/306		
	K	JP11350169	12/1999	JPO	H01L	21/306		
	L							
	M							

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	N	
Examiner /Joseph L. Perrin/		Date Considered 03/28/2007

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